



L-Università ta' Malta
Faculty of
Medicine & Surgery

Department
of Pharmacy

Pharmacy Symposium 2024

4–8 March 2024

PROGRAMME



PROGRAMME

ORAL COMMUNICATION SESSIONS

Doctorate in Pharmacy Third Year Students
Master of Pharmacy
Master of Science in Pharmaceutical and Regulatory Sciences Students
B.Sc. (Hons) Pharm.Tech Third Year Students

POSTER DISCUSSION SESSIONS

B.Sc. (Hons) Pharm.Sci Fourth Year Students

POSTER PRESENTATIONS

B.Sc. (Hons) Pharm.Sci Third Year Students
B.Sc. (Hons) Pharm.Sci Second Year Students

MONDAY, 4 MARCH

09:00	OPENING SESSION
	ORAL COMMUNICATION SESSION: Doctorate in Pharmacy
10:30	Quality Evaluation of Clinical Pharmacy Services in an Intensive Care Unit Ruth Agius
10:40	Pharmacist Prescribing in Community Pharmacy Practice Abigail Buttigieg
10:50	Piloting Extended Community Pharmacy Services Valerie Ariane Rivera
11:00	<i>Break</i>
11:30	Best Practice Implementation Strategy in the use of Oxytocin During Labour Rebecca Marie Falzon
11:40	Clinical Pharmacy Services within an Interdisciplinary Model of Care in Adult Oncology Brandon Sultana
11:50	Enhancing Medication Error Reporting Julia Micallef
12:00	Risk Management for Antidote and Emergency Preparedness Paula Gambin
12:10	Establishing A Pharmacist-Led Helpline Service for Paediatric Adolescent Oncology Patients Sarah Marie Falzon
12:20	Accessibility of Unavailable Medication Andy Vince Falzon
12:30	Biosimilars in Community Pharmacy Practice Francesca Borg
12:45	CLOSING SESSION

TUESDAY, 5 MARCH

- 09:00** OPENING SESSION
- ORAL COMMUNICATION SESSION:
Doctorate in Pharmacy**
- 09:15** **Blood Pressure Monitoring in Community Pharmacy**
Michaela Vella
- 09:20** **Seamless Care Between Community Pharmacy and Pharmacy
of Your Choice Service**
Elmery Gem Estorque
- 09:30** **Pharmacy of Your Choice Service Improvement through Digital Technology**
Janelle Bianca Mary
- ORAL COMMUNICATION SESSION:
MPharm: Social and Administrative Pharmacy**
- 09:45** **Digitalisation in Pharmacy: Community Pharmacist and
Patient Empowerment**
Amber Zerafa
- 09:55** **Digitilisation of Adverse Drug Reactions Information Source**
Rachel Gauci
- 10:05** **Pharmaceutical Workforce Demographics**
Akhila Narayanan Nair
- 10:15** **Certification and Competency Frameworks**
Mouna Fazaa
- 10:25** **Lessons Learnt from the COVID-19 Pandemic**
Joseph Scerri
- 10:35** *Break*

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TUESDAY, 5 MARCH *(continued)***ORAL COMMUNICATION SESSION:****MPharm: Pharmacotherapeutics**

- 11:00** **Pharmacogenetics-guided Proton Pump Inhibitor Therapy in Clinical Practice**
Leanne Borg Gauci
- 11:10** **Enhancing Deprescription of Benzodiazepine Receptor Agonists in Older Patients**
Keith Joseph Tabone
- 11:20** **Development of Guidelines for High-risk Medication Dispensing**
Nicole Schembri
- 11:30** **Remote Monitoring in the Management of Heart Failure**
Elena Mirone
- 11:40** **Management and Outcomes of Patients with Aortic Stenosis**
Samuel Cremona
- 11:50** **Educating the General Public on the Risks of Self-Medication**
Miguel Camilleri
- 12:00** **Policy Framework on Biosimilars Introduction**
Sarah Xuereb

POSTER DISCUSSION SESSION:**Pharmacy Practice and Pharmaceutical Regulation**

- 12:10** **Anticholinergic Burden in Older Patients**
Kristy Xuereb
- 12:15** **Advances in the Management of Dyslipidaemia**
Shanice Marie Spiteri

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TUESDAY, 5 MARCH *(continued)*

- 12:20** **Patient Participation in Pharmaceutical Care Plans**
Maria Martina Cutajar
- 12:25** **Pharmacist-led Education in Inflammatory Bowel Disease**
Aisha Diyab
- 12:30** **Community Pharmacy-based Point-of-care Testing**
Natalia Ferris
- 12:35** **Risk Management in Community Pharmacy Practice**
Paula Zammit
- 12:40** **Pharmaceutical Services Digitalisation through myHealth**
Katarina Maria Bugeja
- 12:45** **Community Pharmacists Competences in Medication Risk Management**
Andrew Aquilina
- 12:50** **Crisis Management and Medicines Shortages**
Julia Agius
- 12:55** **Green Pharmaceutical Practices in Hospital**
Justine Decelis
- POSTER DISCUSSION SESSION:
Medicinal Chemistry**
- 13:00** **Drug Design at the Aldose Reductase (AR) Receptor**
Etienne Xiberras
- 13:05** **Antagonist Drug Design at the Farnesoid X (FXR) Receptor**
Jade Marie Falzon
- 13:10** **Agonist-Based Drug Design at the Vitamin D (VDR) Receptor**
Bettina Camilleri

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TUESDAY, 5 MARCH *(continued)*

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| 13:15 | Drug Design at the Constitutive Androstane (CAR) Receptor
Gianluca Muscat |
| 13:20 | Drug Design at the E Coli DNA Gyrase
Maria Portelli |
| 13:25 | Design of Novel Benzimidazole Hybrid Structures Capable of Simultaneous Peroxisome Proliferator Activated Receptor/ Angiotensin Receptor (PPARγ/ATR) Modulation
Matthias Borg |
| 13:30 | Drug Design at the Protein tyrosine phosphatase 1B (PTP1B) Receptor
Rachel Callus |
| 13:35 | Drug Design at the Cannabinoid 1 (CB1) Receptor
Michael Laferla |
| 13:40 | Drug Design at the Oestrogen receptor (ER) using Propyl Gallate as a Lead
Michaela Mifsud |
| 13:45 | CLOSING SESSION |

WEDNESDAY, 6 MARCH

- 09:00** | OPENING SESSION
- ORAL COMMUNICATION SESSION:
MPharm: Vaccinology**
- 09:20** | **Establishing an Education Framework for Pharmacist-Led Vaccination Services**
Tamara Attard
- 09:30** | **Perception and Awareness of Vaccinations in Autoimmune Inflammatory Rheumatic Diseases**
Jonathan Joseph Attard
- 09:40** | **Pharmacist Vaccination Preparedness**
Abdullah Tariq
- ORAL COMMUNICATION SESSION:
MPharm: Pharmacoeconomics**
- 09:50** | **A Comparison of Pricing of Medicines in Different Countries**
Swetha Gopalakrishnan
- 10:00** | **The Effect of Prices of Medicines on Accessibility**
Shaheen Mubarak
- 10:10** | **Patient-centered Principles in Medicines Purchasing and Inventory Control**
Sikendar Pathath
- 10:20** | **Developing a Course in Pharmacoeconomics**
Mohamed Ameen
- 10:30** | *Break*

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WEDNESDAY, 6 MARCH *(continued)***ORAL COMMUNICATION SESSION:
Pharmaceutical Technology**

- 11:00** **Advances in Pharmaceutical Analysis**
Eve Zammit
- 11:10** **Innovative Methods to Quality Assurance in the Pharmaceutical Industry**
Jack Carabott
- 11:20** **Evaluation of Greenness of Pharmaceutical Processes**
Abinaya Somasekaram
- 11:30** **Updates in Child-Resistant Packaging**
Maylene Muscat
- 11:40** **Risks in Pharmaceutical Packaging**
Lauren Bell
- 11:50** **Automation in Pharmacy**
Emilie Visanich
- 12:00** **Nanotechnology for Cardiovascular Diseases**
Sarah Cassar
- 12:10** **Pharmaceutical Supply Chain Forecasting Methods: Predicting Trends**
Nicolette Grech

**POSTER DISCUSSION SESSION:
Pharmaceutical Regulation, Industrial Pharmacy
and Pharmaceutical Analysis**

- 12:20** **Medical Devices: Perceptions and Awareness**
Etienne Xiberras
- 12:25** **Medical Aids: Regulations and Entitlement**
Jade Marie Falzon

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WEDNESDAY, 6 MARCH *(continued)*

- 12:30** **Clinical Trials Regulation in Europe**
Bettina Camilleri
- 12:35** **Pharma Digitalisation: Risks and Opportunities**
Gianluca Muscat
- 12:40** **Green Practices in Pharmaceutical Distribution**
Maria Portelli
- 12:45** **Concepts of Collaboration between Pharmaceutical Industry
and Education**
Matthias Borg
- 12:50** **Harm Reduction associated with Use of Cannabis**
Rachel Callus
- 12:55** **Analysis of Cannabinoids in Edibles and Cosmetics**
Michael Laferla
- 13:00** **Challenges related to Extraction of Cannabinoids from
Different Matrices**
Michaela Mifsud
- POSTER DISCUSSION SESSION:
Medicinal Chemistry**
- 13:05** **Antagonist-Based Drug Design at the Vitamin D (VDR) Receptor**
Kristy Xuereb
- 13:10** **Drug Design at the leucine-rich repeat kinase (LRRK2) Receptor**
Shanice Marie Spiteri
- 13:15** **Drug Design at the Pregnane X Receptor (PXR)**
Maria Martina Cutajar

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WEDNESDAY, 6 MARCH *(continued)*

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| 13:20 | Drug Design at The Trypanothione Reductase Enzyme Using the Kukoamine Scaffold as a Lead
Aisha Diyab |
| 13:25 | Drug Design at the Lactate Dehydrogenase (LDe) Enzyme
Natalia Ferris |
| 13:30 | Drug Design at the Dihydroorotate Dehydrogenase (DHODH) receptor using the Teriflunomide scaffold as a Lead
Paula Zammit |
| 13:35 | Drug Design at the 8-oxoguanine DNA glycosylase (OGG1) receptor
Katarina Maria Bugeja |
| 13:40 | Drug Design at the Glucocorticoid Receptor Alpha (GRα)
Andrew Aquilina |
| 13:45 | Agonist Drug Design at the Farnesoid X (FXR) Receptor
Julia Agius |
| 13:50 | Drug Design at the IL-1 receptor-associated kinase (IRAK) Receptor
Justine Decelis |
| 13:55 | CLOSING SESSION |

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THURSDAY, 7 MARCH

09:00	OPENING SESSION
	ORAL COMMUNICATION SESSION: Master of Science in Pharmaceutical and Regulatory Sciences
09:20	Optimisation of Tablet Coating Process Malcolm Sacco
09:30	Signal Management in Quality Control Adriana Spiteri
09:40	Preparing for a Successful Good Manufacturing Practice (GMP) Regulatory Inspection Julia Mifsud
09:50	Pitfalls in Compiling a Dossier: A Module 3 Marketing Authorisation Dossier Lawrence Long
10:00	Qualification of Suppliers in the Pharmaceutical Industry David Gafa
10:10	Human Error in Root Cause Analysis within the Pharmaceutical Industry Kurt Axisa
10:20	Digitalisation in the Pharmaceutical Industry: An example of Pharmaceutical Application of Enterprise Resource Planning Software William Micallef
10:30	<i>Break</i>

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THURSDAY, 7 MARCH *(continued)*

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| 11:00 | Challenges Encountered in the Process of Accreditation for Testing and Calibration Laboratories
Naomi Delia |
| 11:10 | Green Aspects in Quality Control
Daniel Grech |
| 11:20 | Accreditation of Analytical Processes
Corinne Lagana |
| 11:30 | Principles of Risk Management in the Pharmaceutical Industry
Matthew Borg |
| 11:40 | Remote Assessment of Data Integrity in Pharmaceutical Processes
Michaela Abela |
| 11:50 | Overcoming Shortages in the Availability of Medicines
Rebecca Zammit |
| 12:00 | Pharmacoeconomics and Access to Osteoporosis Management
Nadia Portelli |
| | ORAL COMMUNICATION SESSION:
MPharm: New services |
| 12:10 | Challenges in Pharmacist Prescribing
Flores Czar Jamil |
| 12:20 | Sustainability in Pharmacy
Lim Alexander Jr |
| 12:30 | MyDispense in Pharmacy Education
Madlansacay Ravelyn |
| 12:40 | Extended Services in Community Pharmacy
Reyes Jhon Vincent |
| 12:50 | CLOSING SESSION |

FRIDAY, 8 MARCH**09:00** OPENING SESSION**ORAL COMMUNICATION SESSION:
MPharm: Pharmaceutical and Regulatory Sciences****09:20** **Reporting Vaccine Adverse Drug Reactions**
Kristina Filletti**09:30** **Procurement of safe medical devices**
Neyra Geoffrey**09:40** **The Impact of Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR) In Pharmacy**
Blessing Ifunanya Maduelosi**09:50** **Cannabidiol and the Pharmaceutical Industry**
Yasmine Smaoui**ORAL COMMUNICATION SESSION:
MPharm: Pharmaceutical Analysis and Medicinal Chemistry****10:00** **Determination of Cannabinoids in Plasma**
Neve Borg**10:10** **Regulations of Pesticides in Cannabis**
Audrey Muscat**10:20** **Green Pharmacy in Pharmaceutical Processes**
Christine Gauci**10:30** **Characterisation of Steroids**
Giulia Baluci**10:40** **Design and optimization of novel HIV capsid hexamer modulators using the inhibitor scaffold GS-6207 as a lead**
Matthew Jonathan Cassar**10:50** *Break**(continues on next page)* 

FRIDAY, 8 MARCH *(continued)*

ORAL COMMUNICATION SESSION:

MPharm: Global Pharmacy

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| 11:30 | Pharmacy Practice in India
Rajappan Reshith Kunnat |
| 11:40 | Pharmacy Education in India
Sebastian Mariya Nellissery |
| 11:50 | Pharmaceutical Research in India
Cyriac Mareena |
| 12:00 | Pharmaceutical Industry in India
Joshy Ann Mary |
| 12:10 | CLOSING SESSION |

Third Year Student Pharmacy Practice Projects

An Open-source Maltese Medicines Information system	<i>Loredana Agius</i>
Proposal of Laboratory for Analysis of Cannabis	<i>Maria Celine Azzopardi</i>
Community Pharmacists Scope of Practice	<i>Evan Bonello</i>
Ethics Research in Pharmacy	<i>Gabriel Busuttill</i>
Health and Safety Risks in Pharmacies	<i>Pia Caruana</i>
Making Anaesthesia Green	<i>Elaine Curmi</i>
Towards Digitalisation of Pharmaceutical Distribution	<i>Kyra Jade Debono</i>
Development of Tools to Demonstrate Opportunities in the Pharmaceutical Area	<i>Maya Falzon</i>
Cannabis for Medicinal and Recreational Use	<i>Michael Victor Farrugia</i>
Arrhythmia Screening and Assessment in Primary Care	<i>Andrea Fenech</i>
Risks of Drug-related Problems in Community Pharmacy Practice	<i>Elena Gatt Bonanno</i>
Digital Health: Implications in Pharmacist-led Patient Monitoring	<i>Ylenia Grech</i>
Evolvements in the Management of Cardiovascular Disease	<i>Yosef Jarouba</i>
Pharmaceutical Workforce Development Needs: A Futuristic Approach	<i>Daniela Pisani</i>
Emergency Preparedness in Pharmacy: Lessons Learned from the COVID-19 Pandemic	<i>Kathleen Saydon</i>
Medication Access: Practice Opportunities for Pharmacists	<i>Geordie Schembri</i>
Prescribing Cascades in Older Adults	<i>Nicole Sciberras</i>
Patient-centred Clinical Pharmacy Services for Older Persons	<i>Damien Spiteri</i>
Community Pharmacists Interventions Supporting Ambulatory Cancer Patients	<i>Ylenia Marie Xerri</i>
Sourcing APIs to Manage Shortages	<i>Leanne Zammit</i>

Second Year Student Pharmacy Practice Projects

Digitalisation and Older Persons	<i>Ethan Attard</i>
Digital Tools in Pharmaceutical Processes	<i>Emilie Daniela Bonnici</i>
Digitalisation: Online Accessibility to Medicines	<i>Celine Borg</i>
Renal Impairment after Cardiac Procedures	<i>Katrina Borg</i>
Patient Monitoring Needs for Chronic Medication	<i>Letizia Briffa</i>
Implementation of Clinical Guidelines in Heart Failure Patient in Community Pharmacy	<i>Desiree Camilleri</i>
Risks in Sleep Management in Community Pharmacy	<i>Raquel Marie Caruana</i>
Use of Cannabinoids and Flavonoids in Pain	<i>Kerrie Ciappara</i>
Management of Heart Failure in Older Patients	<i>Yasmin D'Amato</i>
Determination of Shelf Stability of Cannabinoid Products	<i>Rowann Darmanin</i>
Digital Health Tools: Risks and Ethical Considerations	<i>Emily Desira</i>
Anticholinergic Burden in Chronic Medication	<i>Mariah Fava Borg</i>
Direct Oral Anticoagulants in the Older Population	<i>Carla Harrison</i>
Nuclear Medicine: Use of Radiopharmaceuticals	<i>Aya Mahmood Swan</i>
Pharmaceutical Waste Management	<i>Julia Xiberras</i>




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